

AMENDMENTS TO THE SPECIFICATION

Please delete the Abstract section of the patent application, and replace with the following replacement section with revision marking to show changes made:

ABSTRACT

~~A neighboring base station information update method etc. is provided that appropriately updates and sets information about neighboring base stations, which is sent from a base station to a mobile station. The mobile station captures from a received perch channel, base station information about the base station that transmits the perch channel, and transmits the base station information to a base station. The base station receives the base station information, and updates the neighboring base station information in accordance with the base station information. For example, the perch channel is spread into a wideband using a spreading code with a rate higher than an information rate, and in addition, is doubly spread using a first spreading code set that has a cycle period equal to an information symbol period and is common to all the base stations, and a second spreading code that has a cycle period longer than the information symbol period and differs from base station to base station. The base station information consists of a second spreading code number used by the base station and phase information about the second spreading code. According to the present invention, the inter base station asynchronous system can implement fast cell search comparable to that of the inter base station synchronous system in the standby mode and soft handover mode.~~

A base station captures phase difference information between a long period spreading code of a common control channel of the base station and a long period spreading code of a common control channel of a neighboring base station of the base station from a mobile station. The base station transmits the phase difference information to a mobile station. The mobile station carries out cell search in accordance with the received phase difference information.